

Notice of Allowability

Application No.

10/774,535

Examiner

Tung X. Le

Applicant(s)

LEE ET AL.

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment submitted on 6/7/2007.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 6/28/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Haissa Philogene/
Haissa Philogene
primary examiner

DETAILED ACTION

This is a response to the applicant's amendment submitted on June 07, 2007. In virtue of this amendment, claims 1-15 are pending in the instant application.

Allowable Subject Matter

1. Claims 1-15 are allowed.
2. The following is an examiner's statement of reasons for allowance: ✓

Prior art of record fails to disclose or fairly suggest the following limitations:

- An image display, comprising a display controller for using a current value fed back from the second electrode of the display panel and externally input RGB data to correct a white gray level of the RGB data and generate RGB display data, and for providing the generated RGB display data to the data driver, wherein the display controller determines an amount of emitted light on the corresponding screen according to the fed back current to generate a brightness control reference signal corresponding to the amount of emitted light, and controls the white gray level of the RGB data according to the brightness control reference signal to control the brightness of the display panel, in combination with the remaining claimed limitations as claimed in independent claim 1 (claims 2-6 are allowed for depending on claim 1).
- An image display, comprising a display controller for using a current value fed back from at least one second electrode of the display panel and externally input RGB data to correct a white gray level of the RGB data and to generate RGB display data, and for providing the generated RGB display data to the data driver,

wherein the display controller determines an amount of emitted light on the corresponding screen according to the fed back current to generate a brightness control reference signal corresponding to the amount of emitted light, and controls the white gray level of the RGB data according to the brightness control reference signal to control the brightness of the display panel, in combination with the remaining claimed limitations as claimed in independent claim 7.

- A method for driving an image display, comprising using a current value fed back from a second electrode of the display panel and externally input RGB data to correct a white gray level of the RGB data and generate RGB display data, and to provide the generated RGB display data to a data driver, in combination with the remaining claimed limitations as claimed in independent claim 8.
- An image display, comprising a display controller for using a current fed back from an electrode of the display panel and externally input RGB data to correct a white gray level of the RGB data and generate RGB display data, and for providing the generated RGB display data to the data driver, wherein the display controller determines an amount of emitted light on the corresponding screen according to the fed back current to generate a brightness control reference signal corresponding to the amount of emitted light, and controls the white gray level of the RGB data according to the brightness control reference signal to control the brightness of the display panel, in combination with the remaining claimed limitations as claimed in independent claim 9 (claims 10-14 are allowed for depending on claim 9).

- A method for driving an image display, comprising using a current value fed back from an electrode of a display panel and externally input RGB data to correct a white gray level of the RGB data and generate RGB display data, and to provide the generated RGB display data to a data driver, in combination with the remaining claimed limitations as claimed in independent claim 15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of Relevant Prior Art

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ham (U.S. 2003/0048246 A1) discloses a method and apparatus for driving liquid crystal display.

Nakano (U.S. 2003/0020677 A1) discloses a liquid crystal display device.

Sato et al. (U.S. 2002/0196220 A1) discloses a liquid crystal display.

Nose (U.S. 2002/0163490 A1) discloses a liquid crystal display and method for driving the same.

Iida et al. (U.S. 6,961,041 B2) discloses a liquid crystal display device having a low voltage driving circuit.

Kimura (U.S. 6,909,242 B2) discloses a semiconductor device.

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Inquiry

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung X. Le whose telephone number is 571-272-6010. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner
Tung Le

/Haissa Philogene/
Haissa Philogene
Primary examiner

AU 2821

August 17, 2007